

Comparing DB2 Databases

Prerequisites

DB2 must be installed. See the section DB2 and SQL/DS in the **Predict and Other Systems documentation**

See also General Prerequisites for Comparison Functions.

Calling the Function

The Compare DD Objects with DB2 DBs screen is called with code C and object code D2 in any Predict main menu or with the command COMPARE D2.

```
09:42:13          ***** P R E D I C T  4.2.2  *****
Plan 0           - Compare DD Objects with DB2 DBs -
2002-07-31      Profile HNO

Database ID .....
Belongs to VM ......

List options           Update options
DB attributes .....* D DB attributes ..... N (Y/N)
Dataspace list .....* D Links
File list .....* D   Unlink dataspaces ... N (Y/N)
                      Unlink files ..... N (Y/N)

Restrictions .....*  Profile HNO ,used
```

Parameters	
Selection criteria	
Database ID	The ID of the Predict database object or objects of type D which are to be compared with the connected DB2 database or databases. Asterisk notation can be used.
Belongs to VM	Limits the scope of the function to DB2 databases linked to this virtual machine via association <i>Contains DA</i> . Asterisk notation can be used.
List options	
DB attributes	How attributes of the Predict database object are to be displayed. Y All database attributes N No database attributes D Different: only database attributes whose Predict values differ from the implementation.

Dataspace list	<p>How Predict dataspace objects linked to the Predict database object via association <i>Contains DC</i> are to be displayed.</p> <p>Y All dataspaces</p> <p>N No dataspaces</p> <p>D Different: only dataspaces that are not implemented as DB2 tablespaces and DB2 tablespaces that are not documented with Predict dataspaces are contained in the list.</p>
File list	<p>How files linked to the Predict database object are to be displayed.</p> <p>Y All files</p> <p>N No files</p> <p>D Different: only files that are either not implemented in the DB2 database or not defined in Predict.</p>
Update options	
DB attributes	<p>Y The attributes of the Predict database object are to be updated.</p>
Unlink dataspaces	<p>Y Dataspaces not implemented as DB2 tablespaces are to be removed from the dataspace list of the Predict database object.</p>
Unlink files	<p>Y Files that are not implemented in the DB2 database are to be removed form the file list of the Predict database object.</p> <p>Note: Unlink files can only be set to Y if Unlink dataspaces is also set to Y.</p>

Comparing DB2 Databases in Batch Mode

Command: COMPARE DB2

Enter parameters on the next line in positional or keyword form.

Field	Keyword	Position
Database ID	DATABASE-ID	1
Belongs to VM	PARENT	2
List options		
DB attributes	LIST-DB	3
Dataspace list	LIST-DS	4
File list	LIST-FILE	5
Update options		
DB attributes	UPD-DB	6
Unlink dataspaces	UNLINK-DS	7
Unlink files	UNLINK-FILE	8

Example

To compare all databases of type D with prefix 'TEST' and to display the file lists code the command:

```
COMPARE DB2
DATABASE-ID=TEST*, LIST-FILE=Y
```

or

```
COMPARE DB2
TEST*, , , Y
```

The above example uses the Natural parameter ID=, and IA==